

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
6696USD1SERIAL NO.
10/810,999
(not yet assigned)INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT(S)

M. R. Schrimpf, et al.

FILING DATE

March 26, 2004

GROUP

(not yet assigned)

1624

(Use several sheets if necessary)

(37 CFR 1.98 (b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
BC	A1	5,071,999	12/10/1991	Schenke et al.	548	453	
BC	A2	5,382,584	01/17/1995	Balasubramanian	514	215	
BC	A3	5,472,958	12/05/1995	Gunn et al.	514	210	
BC	A4	5,478,939	12/26/1995	Trybulski et al.	544	336	
BC	A5	5,773,912	06/30/1998	Saeki et al.	310	326	
BC	A6	5,914,328	06/22/1999	Lin et al.	514	252	
BC	A7	5,948,793	09/07/1999	Abreo et al.	514	318	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION YES NO
BC	B1	0 324 543	19.07.1989	EP	—	—	
BC	B2	0 345 808	11.01.1995	EP	—	—	
BC	B3	0 400 661	05.12.1990	EP	—	—	
BC	B4	0 603 887	26.09.1994	EP	—	—	
** BC	B5	00/34284	15.06.2000	WO	—	—	
BC	B6	00/44755	03.08.2000	WO	—	—	
BC	B7	00/66586	09.11.2000	WO	—	—	
BC	B8	00/71534	30.11.2000	WO	—	—	
BC	B9	01/44243	21.06.2001	WO	—	—	
BC	B10	94/08922	28.04.1994	WO	—	—	
BC	B11	96/06093	29.02.1996	WO	—	—	
BC	B12	97/05139	13.02.1997	WO	—	—	
BC	B13	99/21834	06.05.1999	WO	—	—	
BC	B14	99/32117	01.07.1999	WO	—	—	
BC	B15	99/51602	14.10.1999	WO	—	—	

BC	B16	95/23152	31.08.95	WO	—	—		
BC	B17	96/31475	10.10.96	WO	—	—		
BC	B18	97/17961	22.05.97	WO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

BC	C1	Armeric et al., "Cholingeric channel modulators as a novel therapeutic strategy for alzheimer's disease," Exp. Opin. Invest. Drugs 5(1):79-100 (1996)
BC	C2	Armeric, et al., "Neuronal Nicotinic Acetylcholine Receptors," Psychopharmacology: The fourth Generation of Progress 95-109 (1995)
BC	C3	Barlocco et al., J. Med. Chem. 41:674-681 (1998)
BC	C4	Benowitz, et al., "Pharmacokinetics, metabolism, and pharmacodynamics of nicotine," Nicotine Psychopharmacology 112-157 (1990)
BC	C5	Berge, et al., "Pharmaceutical Salts," Journal of Pharmaceutical Sciences 66(1):1-19 (1977)
BC	C6	Brehm et al., "Glycine antagonists, synthesis, structure, and biological effects of some bicyclic 5-isoxazolol zwitterions," J. Med. Chem. 269:224-229 (1986)
BC	C7	Chem Pharm Bull. 6:408-411 (1958)
BC	C8	Cherny, "Opioid Analgesics," Drug 51(5):713-737 (1996)
BC	C9	Cope et al., "Syntheses of D-and L-2,6-diheterobicyclo [3.3.0]octanes," JACS 78:5916-5920 (1956)
BC	C10	Corey, et al., "A synthetic method for formyl-ehynyl conversion (RCHO-RC=CH or CR)," Tetrahedron Letters 36:3769-3772 (1972)
BC	C11	Davidson, et al., "Cholinergic Agonists in alzheimer's Disease Patients," Current Research in Alzheimer Therapy 333-336 (1988)
BC	C12	Decker et al., "Therapeutic potential of Neuronal Nicotinic Acetylcholine Receptor Agonists As Novel Analgesics," Biochemical Pharmacology 58:917-923 (1999)
** BC	C13	Dormoy, "Synthese Industrielle en serie ellipticine," Tetrahedron 49(14):2885-2914 (1993)
BC	C14	Dray et al., "New pharmacological strategies for pain relief," Annu. Rev. Pharmacol. Toxicol 36:253-80 (1996)
BC	C15	Dray, et al., Trends in Pharmacol. Sci. 15:190-197 (1994)
BC	C16	Gribble, et al., "Regioselective ortho lithiation of halopyridines," Tetrahedron letters 21:4137-4140 (1980)
BC	C17	Hands, et al., "A convenient method for the preparation of 5-,6 and 7-azaindoles and their derivatives," Synthesis 877-882 (1996)
BC	C18	IUPAC, Pure and Applied Chemistry 45:13-30, 1976
BC	C19	Jacquet et al., Tetrahedron Letters 32(12):1565-1568 (1991)
BC	C20	Knight et al., "6-Hydroxypiperidinecarboxylates: additions to the chiral pool from bakers' yeast reduction of beta-ketopiperidinecarboxylates," J. Chem Soc. Perkins Trans. 1:3673-3683 (1998)
BC	C21	Korcyn, "Parkinson's Disease" Psychopharmacology: The Fourth Generation of Progress 126:1479-1484, 1995
BC	C22	Lazar, et al., "Saturated heterocycles, Part 172. Synthesis of 2,6-disubstituted-5,6,7,8-tetrahydropyrido[4,3-d]pyrimidine derivatives," J. Heterocyclic Chem. 27:1885-1892 (1990)
BC	C23	Linstrom, "Nicotinic Acetylcholine Receptors in Health and disease," Molecular Neurobiology 15:193-222 (1997)
BC	C24	Lloyd et al, "The potential of subtype-selective neuronal nicotinic acetylcholine receptor agonists as therapeutic agents," Life Sciences 62(17/18):1601-1606 (1998)
BC	C25	Numata, et al., "General synthetic method for naphthyridines and their n-oxides containing isoquinolinic nitrogen," Synthesis 2:306-311 (1999)
BC	C26	Organic Mass Spectrometry 19(9):459-450 (1984)

BC	C27	Padwa, et al., Organic Synthesis 67:133-140 (1988)
BC	C28	Pebreza et al., Molecular Pharmacology 39:9-12 (1990)
BC	C29	Preseott , Methods in Cell Biology XIV:33-71 (1976) Paste et al.
BC	C30	Reimschuessel, et al., "Studies on new derivatives of caprolactam," Journal of Organic Chemistry 34(4):959-963 (1969)
BC	C31	Ronn, et al., "Palladium(II)-Catalyzed Cyclization Using Molecular Oxygen as reoxidant," Tetrahedron Letters 36(42):7749-7752 (1995)
BC	C32	Roth, et al., "Biochemical Pharmacology of Midbrain dopamine Neurons," Psychopharmacology: The Fourth Generation of Progress 227-243 (1995)
BC	C33	Salin-Pascual, et al., "Antidepressant effect of transdermal nicotine patches in nonsmoking patients with major depression," J. Clin. Psychiatry 57:387-389 (1996)
BC	C34	Clayton, et al., "A total synthesis of (\pm)-Epibatidine," Tetrahedron Letters 36(46):7493-7496 (1993)
BC	C35	Sirisoma, et al., "Alpha-Iodocycloalkenones: synthesis of (\pm)-Epibatidine," Tetrahedron Letters 39:2059-2062 (1998)
BC	C36	Wagaw, et al., "The synthesis of aminopyridines: A method employing palladium-catalyzed carbon-nitrogen bond formation," J. Org. Chem. 61:7240-4241 (1996)
BC	C37	Williams et al., "Beyond the tobacco debate: dissecting out the therapeutic potential of nicotine," Exp. Opin. Invest. Drugs 5(8):1035-1045 (1996)
BC	C38	Williams, et al., J. Med. Chem. 42(9):1481-1500 (1999)
BC	C39	Wittenberger, et al., "Dialkyltin Oxide mediated addition of trimethylsilyl azide to nitriles. A novel preparation of 5-substituted tetrazoles," J. Org. Chem. 58:4139-4141 (1993)
BC	C40	Ghelardini et al., "Antinociceptive profile of the new nicotinic agonists DBO-83," Drug Development Research 40:251-258 (1997)

EXAMINER

Brenda Coleman

DATE CONSIDERED

April 25, 2006

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form P101449)

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